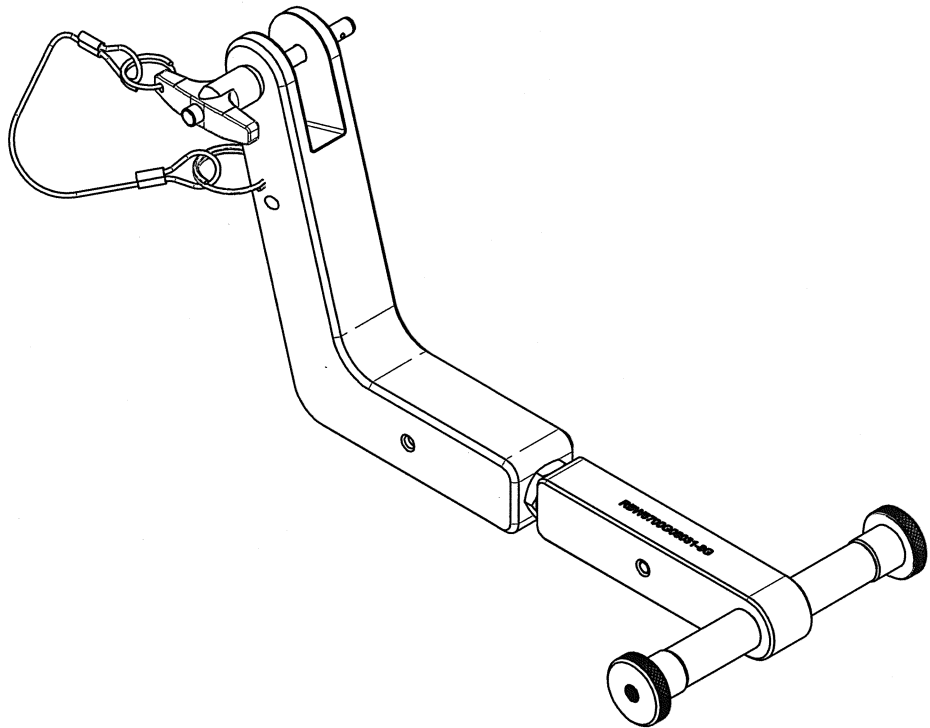


ITEM #	QTY	PART #	PART TITLE
-1	1	RBW6700G08031-8G-1	BEND SUPPORT ASSY
-4	1	RBW6700G08031-8G-4	SUPPORT ASSY
-6	1	RBW6700G08031-8G-6	THREADED PIN
-7	1	RBW6700G08031-8G-7	THREADED ROD
-8	2	RBW6700G08031-8G-8	POSITIONING PIN
-9	1	RBW6700G08031-8G-9	ADHESIVE TAPE
10	2	McMaster#3896T31 OR EQUIV.	ALUMINUM WIRE ROPE COMPRESSION SLEEVE 1/16" DIA. X 3/8" LG.
11	2	McMaster#60205K810 OR EQUIV.	303 SS ROUND KNOB 1/4"-28 THREADED THROUGH HOLE X 1" HEAD DIA.
12	1	McMaster#90905A655 OR EQUIV.	316 SS SPLIT RING 15/16" ID. X 1-1/16" OD. X 1/8" THK.
13	1	McMaster#93680A215 OR EQUIV.	17-4 PH T-HANDLE PUSH BUTTON QUICK RELEASE PIN 6mm DIA. X 40mm GRIP LG.
14	1	CARR-LANE#CL-2-C	NYLON COATED STEEL LANYARD 1/16" DIA.

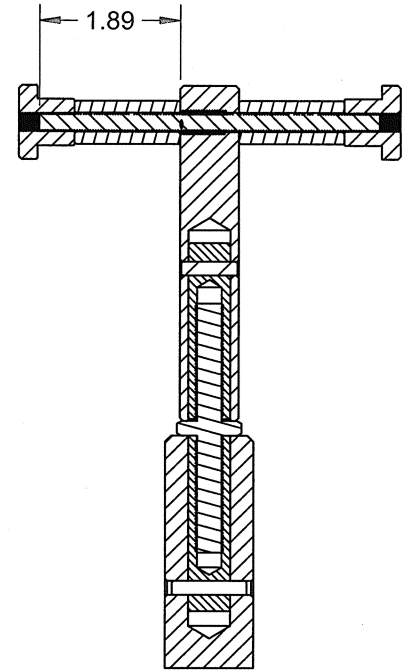
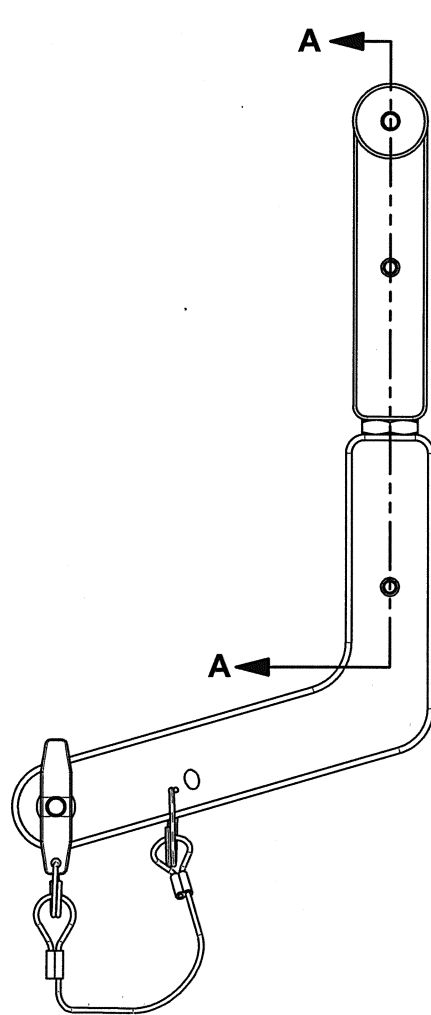


RBW6700G08031-8G M/R ACTUATOR ADJUSTMENT TOOL ASSY

12

NOTES:

- 1) MATERIAL: N/A
- 2) HEAT TREAT: N/A
- 3) FINISH: N/A
- 4) TOLERANCES: X.X = +/- 0.1" / +/- 1°
X.XX = +/- 0.01" / +/- 0.5°
X.XXX = +/- 0.005" / +/- 0.1°
X.XXXX = +/- 0.0005" / +/- 0.05°
PARALLELISM, ECCENTRICITY AND SYMMETRY ABOUT ALL CENTER LINES = +/- 0.005"
- 5) UNITS: INCHES UNLESS OTHERWISE NOTED
- 6) IDENTIFICATION: N/A
- 7) ASSEMBLE AS SHOWN
- 8) INSTALL ITEMS -6 AND 11 HAND TIGHT
- 9) ASSEMBLE ITEM -9 ADHESIVE SIDE ON ITEM -1 AS SHOWN, AND CUT EXCESS IF NECESSARY
- 10) APPLY NICKEL ANTI-SEIZE LOCTITE LB 771 ON THREADS OF ITEM 7 THEN ASSEMBLE WITH ITEM 11, AND REMOVE EXCESS
- 11) ASSEMBLED LANYARD LENGTH MUST BE 6" +/- 1", LANYARD MUST MOVE FREELY WHEN INSTALLING/REMOVING ITEM 13
- 12) THE TOOL ASSY MUST BE PACKAGED WITH A DESICCANT BAG INTO A TIGHT FITTING SEALED PLASTIC BAG



SECTION A-A

A	NEW ISSUE	19-904	KPT
REV.	DESCRIPTION	ECN #	BY
DESIGN	KPT	DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA	
DRAWN	KPT		
CHECKED	JMH	TOOL PART #	REV. A
MFG. APPR.	JFC	RBW6700G08031-8G	SHEET 1 OF 12
APPROVED	WJP	TITLE	SCALE
		M/R ACTUATOR ADJUSTMENT TOOL ASSY	NTS
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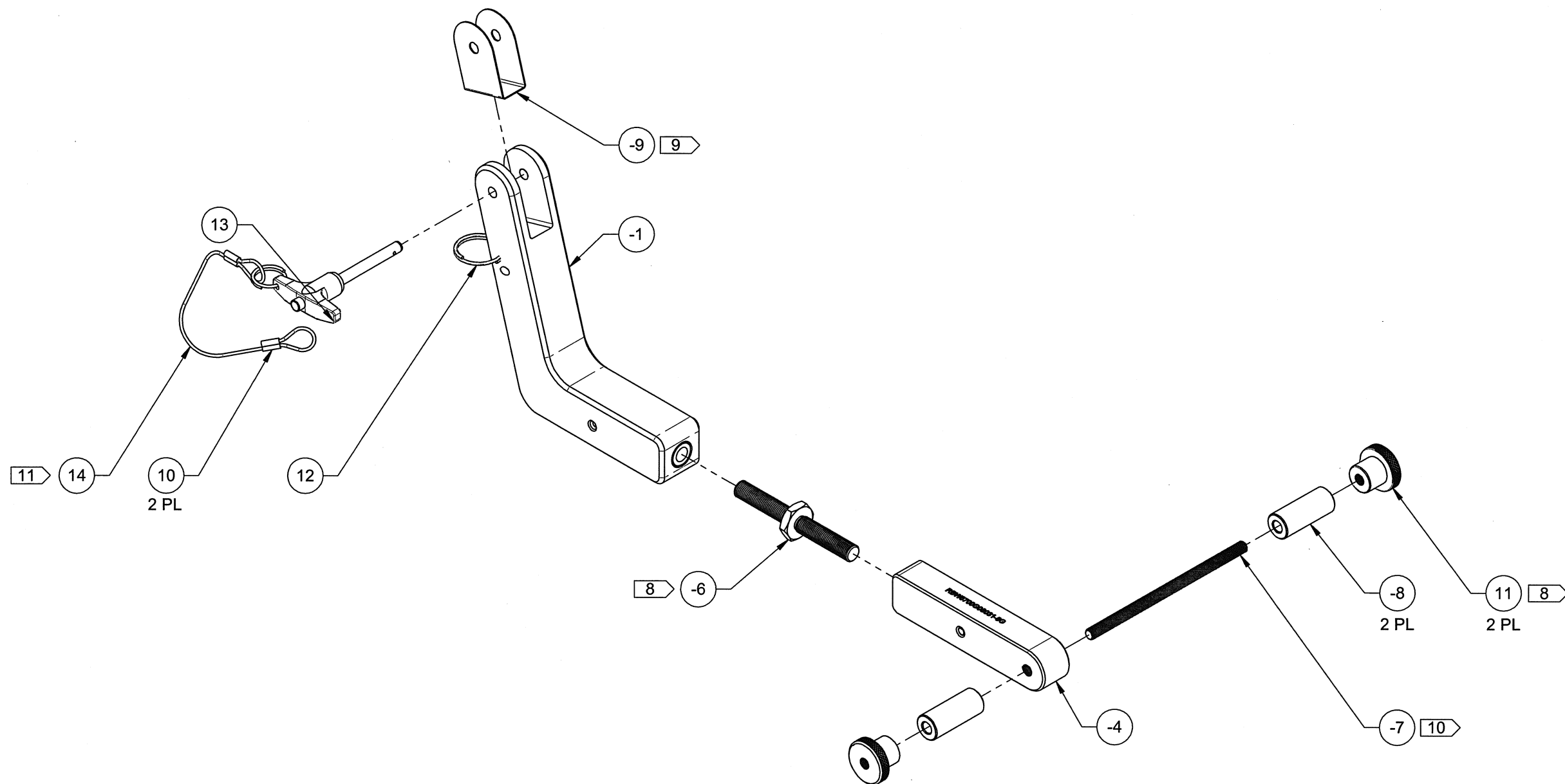
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



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DESIGN	KPT	DART AEROSPACE LTD	
DRAWN	KPT	HAWKESBURY, ONTARIO, CANADA	
CHECKED	JMH	TOOL PART #	REV. A
MFG. APPR.	JFC	RBW6700G08031-8G	SHEET 2 OF 12
APPROVED		TITLE	SCALE
		M/R ACTUATOR ADJUSTMENT TOOL ASSY	NTS 
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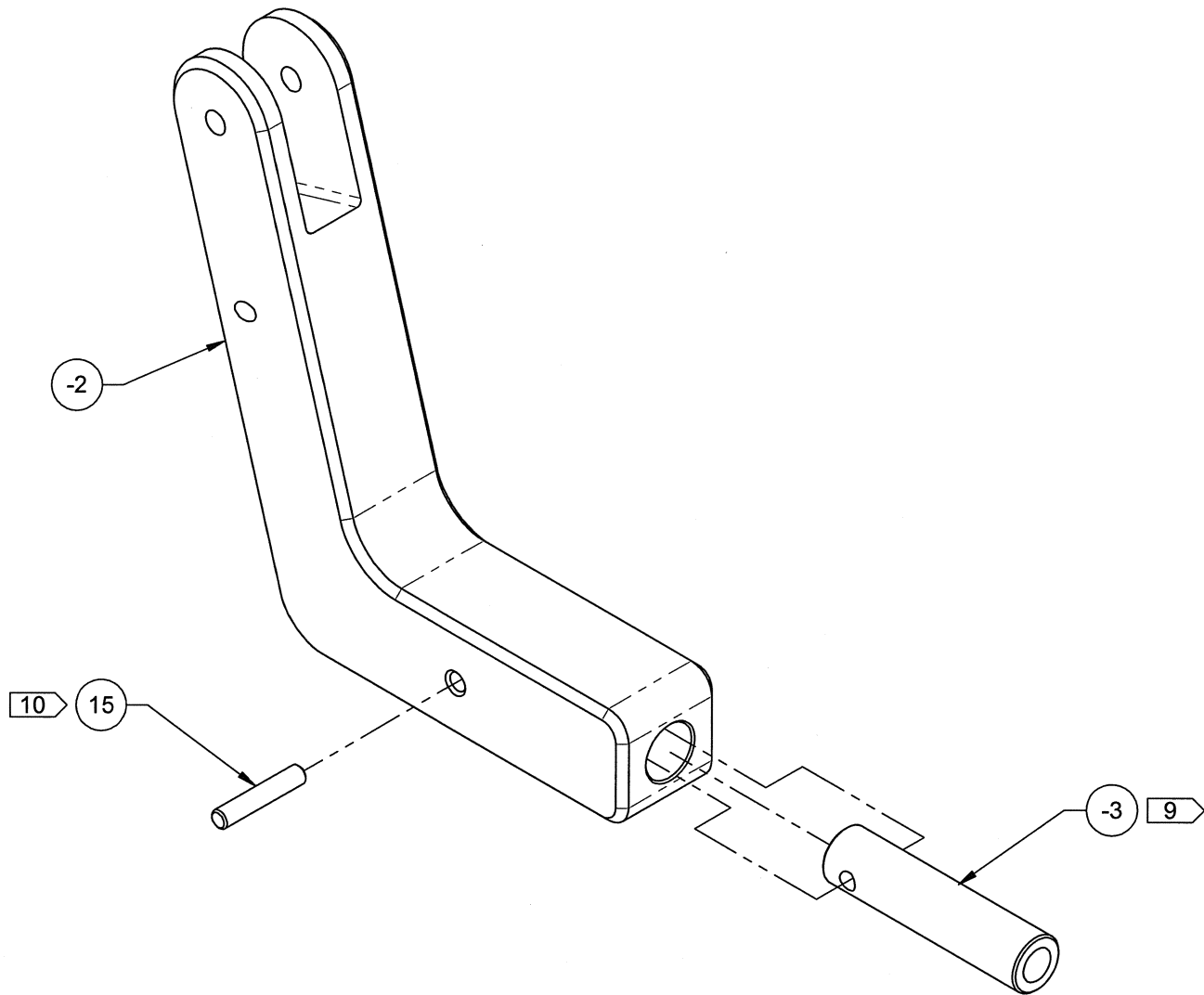
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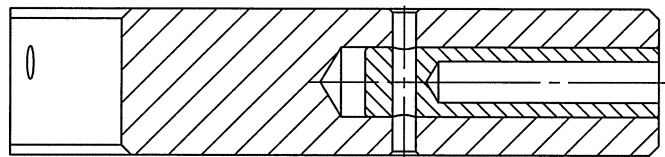
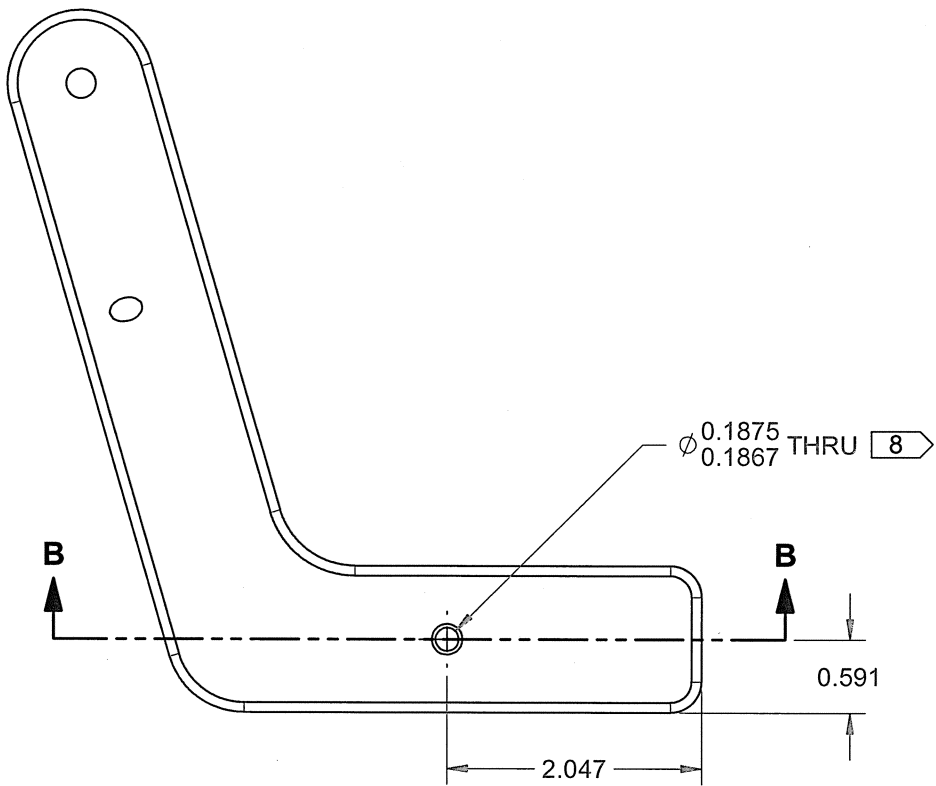
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ITEM #	QTY	PART #	PART TITLE
-2	1	RBW6700G08031-8G-2	BEND SUPPORT
-3	1	RBW6700G08031-8G-3	LEFT HAND ALIGNMENT BUSHING
15	1	McMaster#98380A510 OR EQUIV.	416 SS DOWEL PIN 3/16" DIA. X 1" LG.




RBW6700G08031-8G-1 BEND SUPPORT ASSY

- NOTES:
- 1) MATERIAL: N/A
 - 2) HEAT TREAT: N/A
 - 3) FINISH: N/A
 - 4) TOLERANCES: X.X = +/- 0.1" / +/- 1°
X.XX = +/- 0.01" / +/- 0.5°
X.XXX = +/- 0.005" / +/- 0.1°
X.XXXX = +/- 0.0005" / +/- 0.05°
PARALLELISM, ECCENTRICITY AND SYMMETRY ABOUT ALL CENTER LINES = +/- 0.005"
 - 5) UNITS: INCHES UNLESS OTHERWISE NOTED
 - 6) IDENTIFICATION: N/A
 - 7) ASSEMBLE AS SHOWN
 - 8) TRANSFER DRILL HOLE THROUGH ITEMS -2 AND -3 AS SHOWN
 - 9) APPLY RETAINING COMPOUND LOCTITE 620 OR EQUIVALENT ON MATING SURFACES THEN PRESS FIT ITEM -3 WITH ITEM -2, AND REMOVE EXCESS
 - 10) APPLY RETAINING COMPOUND LOCTITE 620 OR EQUIVALENT ON MATING SURFACES THEN PRESS FIT ITEM 15 CENTERED WITH ITEM -2, AND REMOVE EXCESS



SECTION B-B
(ITEM 15 REMOVED FOR CLARITY)

DESIGN	KPT	DART AEROSPACE LTD	
DRAWN	KPT	HAWKESBURY, ONTARIO, CANADA	
CHECKED	JMH	TOOL PART #	REV. A
MFG. APPR.	JFC	RBW6700G08031-8G	SHEET 3 OF 12
APPROVED		TITLE	SCALE
		M/R ACTUATOR ADJUSTMENT TOOL ASSY	NTS
DATE	2019-09-13	COPYRIGHT © 2019 BY DART AEROSPACE LTD	
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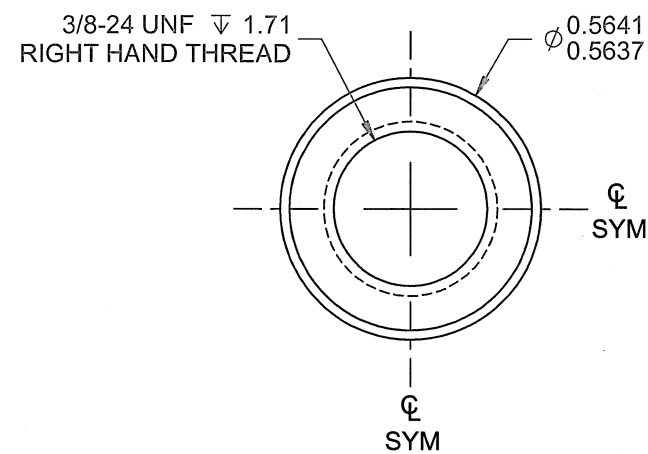
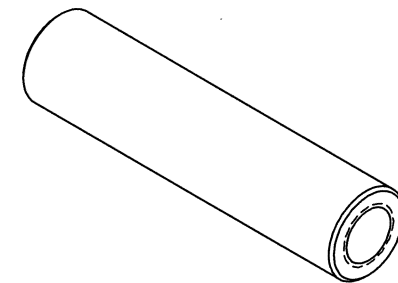
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0.02 X 45.0° CMF
2 PL

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2.36

RBW6700G08031-8G-3 LEFT HAND ALIGNMENT BUSHING

NOTES:

1) MATERIAL: BRONZE C63000

2) HEAT TREAT: N/A

3) FINISH: N/A

4) TOLERANCES: X.X = +/- 0.1" / +/- 1°

X.XX = +/- 0.01" / +/- 0.5°

X.XXX = +/- 0.005" / +/- 0.1°



X.XXXX = +/- 0.0005" / +/- 0.05°

PARALLELISM, ECCENTRICITY AND SYMMETRY ABOUT ALL CENTER LINES = +/-0.005"

5) UNITS: INCHES UNLESS OTHERWISE NOTED

6) REMOVE ALL SHARP EDGES AND BURRS

7) IDENTIFICATION: N/A

DESIGN	KPT	DART AEROSPACE LTD	
DRAWN	KPT	HAWKESBURY, ONTARIO, CANADA	
CHECKED	JMH	TOOL PART #	REV. A
MFG. APPR.	JFC	RBW6700G08031-8G	SHEET 5 OF 12
APPROVED		TITLE	SCALE
		M/R ACTUATOR ADJUSTMENT TOOL ASSY	NTS 
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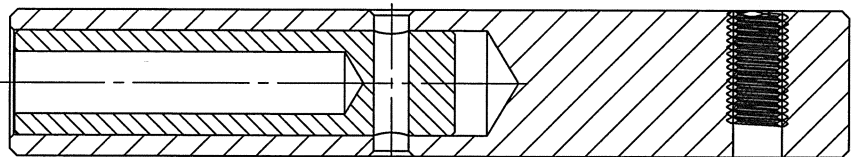
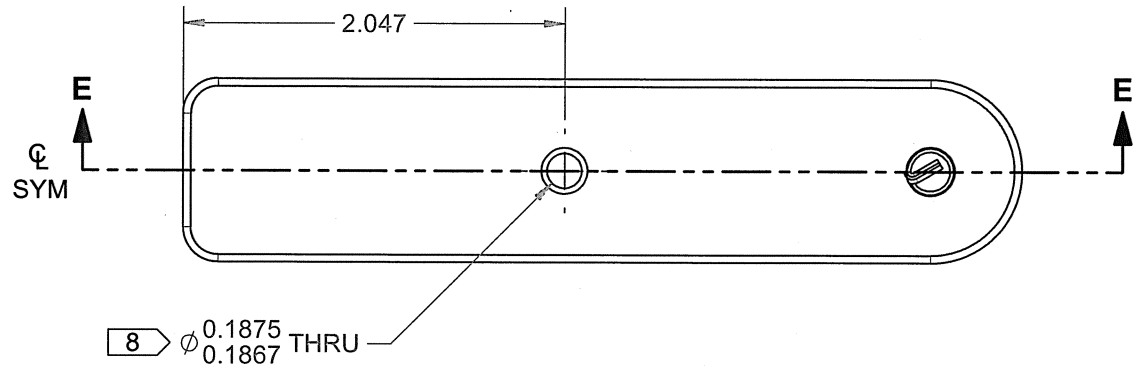
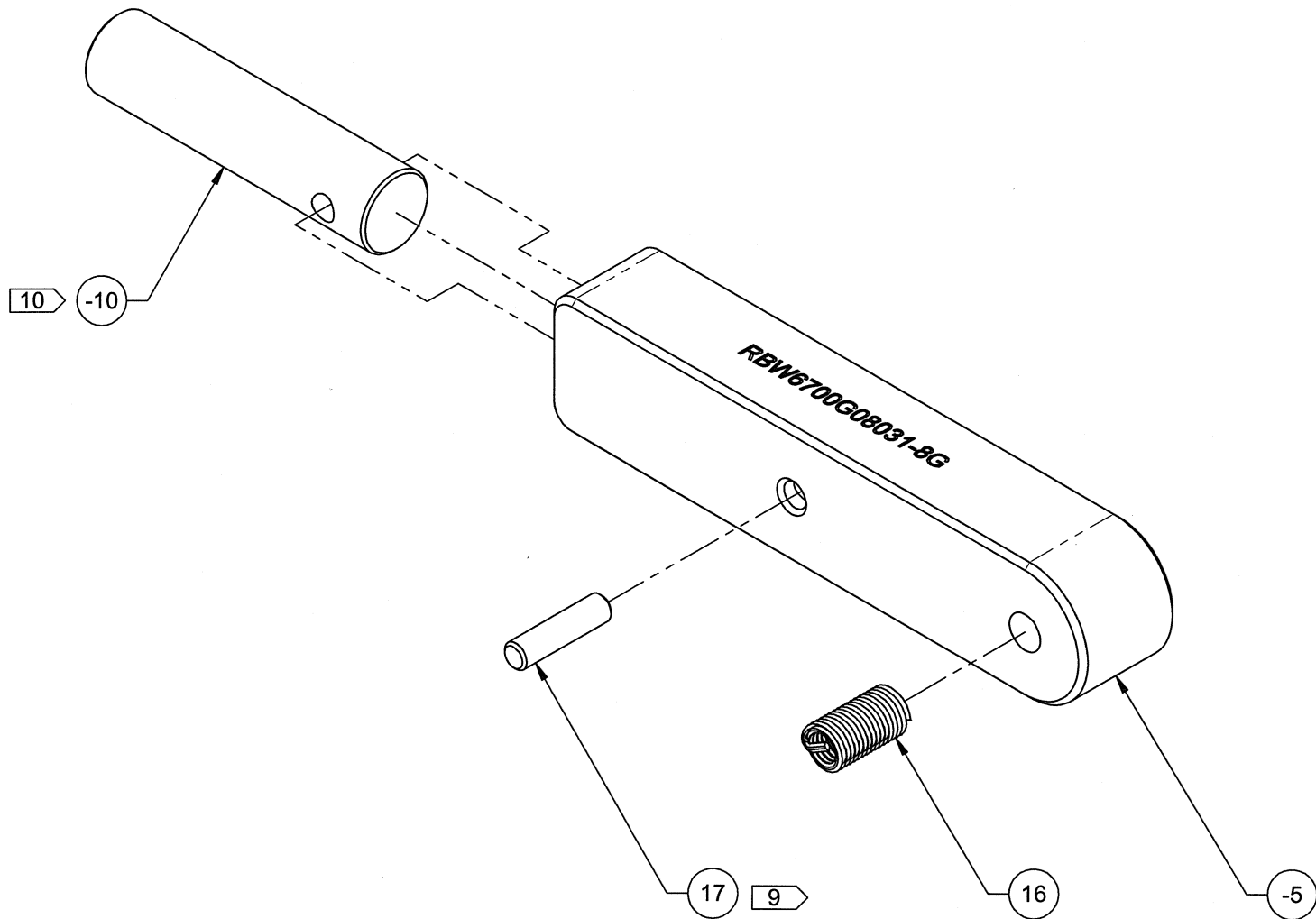
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

ITEM #	QTY	PART #	PART TITLE
-5	1	RBW6700G08031-8G-5	SUPPORT
-10	1	RBW6700G08031-8G-10	RIGHT HAND ALIGNMENT BUSHING
16	1	McMaster#91732A738 OR EQUIV.	SS18-8 HELICAL INSERT 1/4"-28 X 5/8" LG.
17	1	McMaster#98380A833 OR EQUIV.	416 SS DOWEL PIN 3/16" DIA. X 3/4" LG.



SECTION E-E
(ITEM 17 REMOVED FOR CLARITY)

RBW6700G08031-8G-4 SUPPORT ASSY

- NOTES:
- 1) MATERIAL: N/A
 - 2) HEAT TREAT: N/A
 - 3) FINISH: N/A
 - 4) TOLERANCES: X.X = +/- 0.1" / +/- 1°
X.XX = +/- 0.01" / +/- 0.5°
X.XXX = +/- 0.005" / +/- 0.1°
X.XXXX = +/- 0.0005" / +/- 0.05°
PARALLELISM, ECCENTRICITY AND SYMMETRY ABOUT ALL CENTER LINES = +/- 0.005"
 - 5) UNITS: INCHES UNLESS OTHERWISE NOTED
 - 6) IDENTIFICATION: N/A
 - 7) ASSEMBLE AS SHOWN
 - 8) TRANSFER DRILL HOLE THROUGH ITEMS -5 AND -10 AS SHOWN
 - 9) APPLY RETAINING COMPOUND LOCTITE 620 OR EQUIVALENT ON MATING SURFACES
THEN PRESS FIT ITEM -10 WITH ITEM -5, AND REMOVE EXCESS
 - 10) APPLY RETAINING COMPOUND LOCTITE 620 OR EQUIVALENT ON MATING SURFACES
THEN PRESS FIT ITEM 17 CENTERED WITH ITEM -5, AND REMOVE EXCESS

DESIGN	KPT	DART AEROSPACE LTD	
DRAWN	KPT	HAWKESBURY, ONTARIO, CANADA	
CHECKED	JMH	TOOL PART #	REV. A
MFG. APPR.	JFC	RBW6700G08031-8G	SHEET 6 OF 12
APPROVED		TITLE	SCALE
		M/R ACTUATOR ADJUSTMENT TOOL ASSY	NTS 
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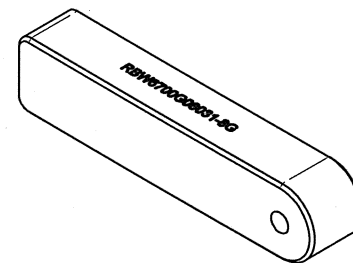
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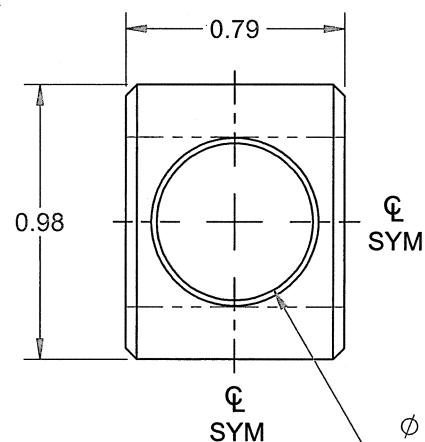
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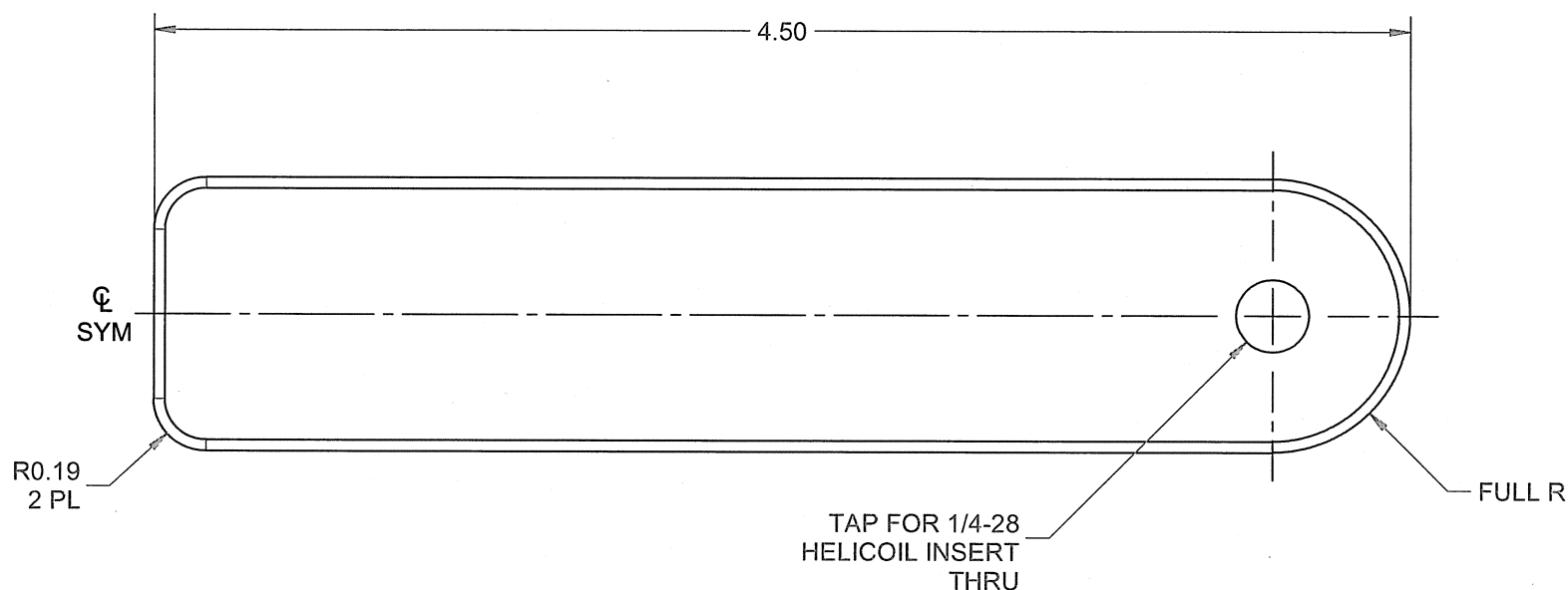
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RBW6700G08031-8G

0.04 X 45.0° CMF
ALL AROUND
2 PL





0.5632
0.5625
0.02 X 45.0° CMF, NEAR SIDE

**RBW6700G08031-8G-5 SUPPORT**

NOTES:

- 1) MATERIAL: 6061-T6 / 7075-T6
- 2) HEAT TREAT: N/A
- 3) FINISH: ANODIZE RED PER MIL-A-8625 TYPE 2 CLASS 2
- 4) TOLERANCES: X.X = +/- 0.1" / +/- 1°
X.XX = +/- 0.01" / +/- 0.5°
X.XXX = +/- 0.005" / +/- 0.1°
X.XXXX = +/- 0.0005" / +/- 0.05°
PARALLELISM, ECCENTRICITY AND SYMMETRY ABOUT ALL CENTER LINES = +/- 0.005"
- 5) UNITS: INCHES UNLESS OTHERWISE NOTED
- 6) REMOVE ALL SHARP EDGES AND BURRS
- 7) IDENTIFICATION: MACHINE ENGRAVE OR DOT MARK T/N, "RBW6700G08031-8G", AS SHOWN

DESIGN	KPT	DART AEROSPACE LTD	
DRAWN	KPT	HAWKESBURY, ONTARIO, CANADA	
CHECKED	JMH	TOOL PART #	REV. A
MFG. APPR.	JFG	RBW6700G08031-8G	SHEET 7 OF 12
APPROVED		TITLE	SCALE
		M/R ACTUATOR ADJUSTMENT TOOL ASSY	NTS 
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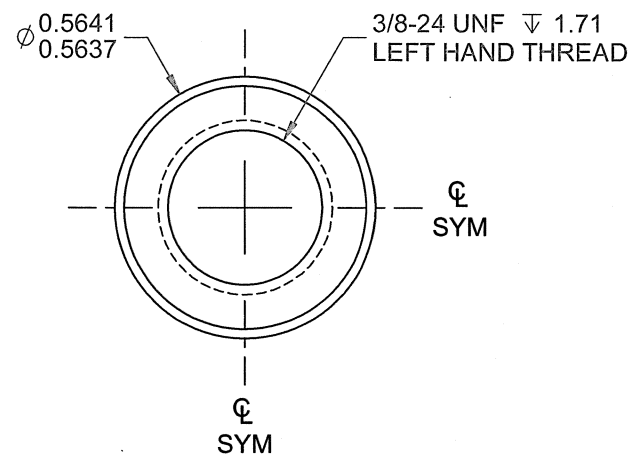
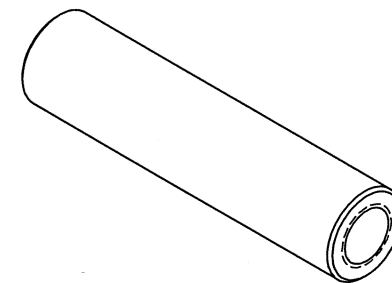
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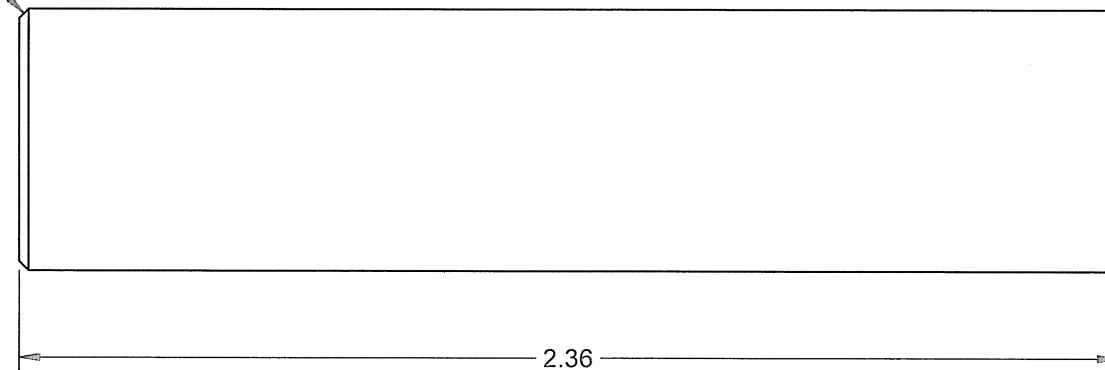
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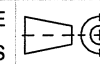
0.02 X 45.0° CMF
2 PL



RBW6700G08031-8G-10 RIGHT HAND ALIGNMENT BUSHING

NOTES:

- 1) MATERIAL: BRONZE C63000
- 2) HEAT TREAT: N/A
- 3) FINISH: N/A
- 4) TOLERANCES: X.X = +/- 0.1" / +/- 1°
X.XX = +/- 0.01" / +/- 0.5°
X.XXX = +/- 0.005" / +/- 0.1°
X.XXXX = +/- 0.0005" / +/- 0.05°
PARALLELISM, ECCENTRICITY AND SYMMETRY ABOUT ALL CENTER LINES = +/- 0.005"
- 5) UNITS: INCHES UNLESS OTHERWISE NOTED
- 6) REMOVE ALL SHARP EDGES AND BURRS
- 7) IDENTIFICATION: N/A

DESIGN	KPT	DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA	
DRAWN	KPT		
CHECKED	JMH	TOOL PART #	REV. A
MFG. APPR.	JFC	RBW6700G08031-8G	SHEET 8 OF 12
APPROVED		TITLE	SCALE
		M/R ACTUATOR ADJUSTMENT TOOL ASSY	NTS 
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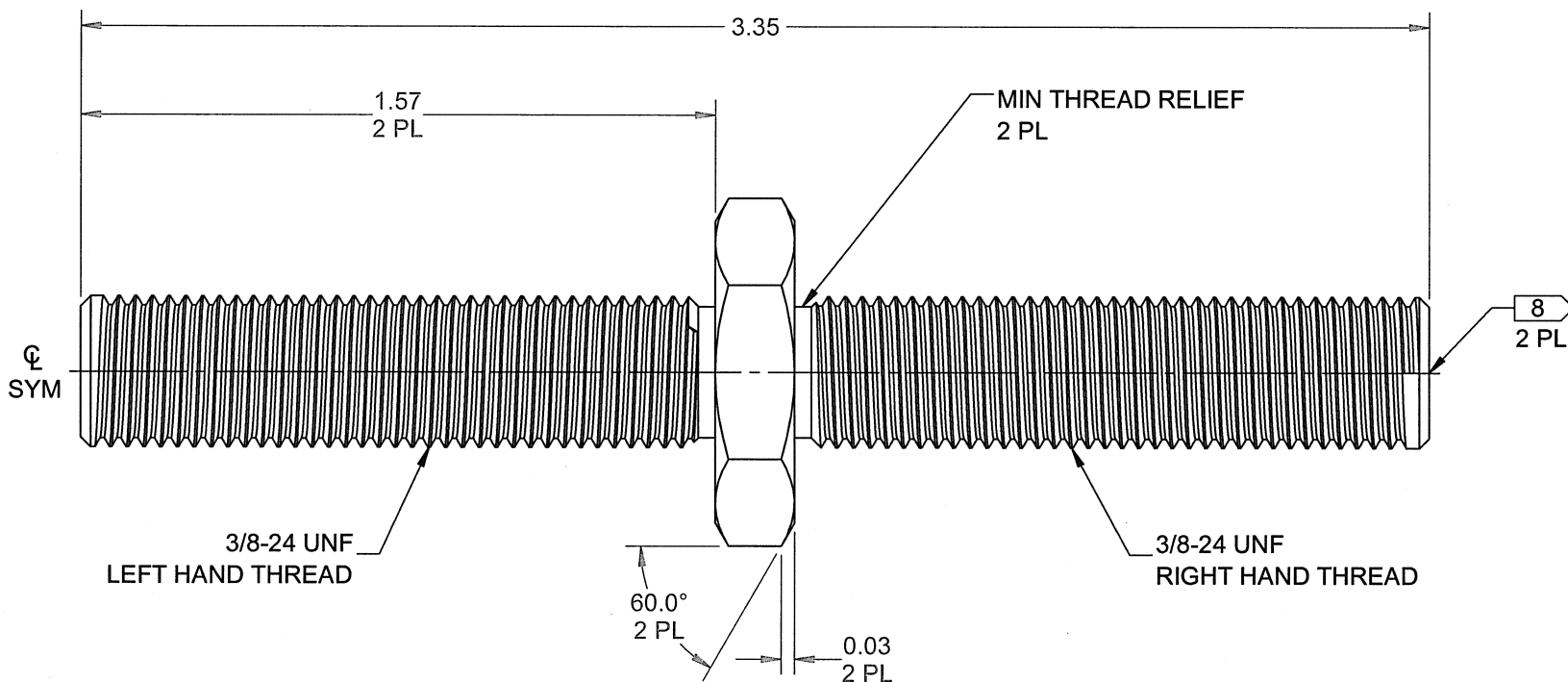
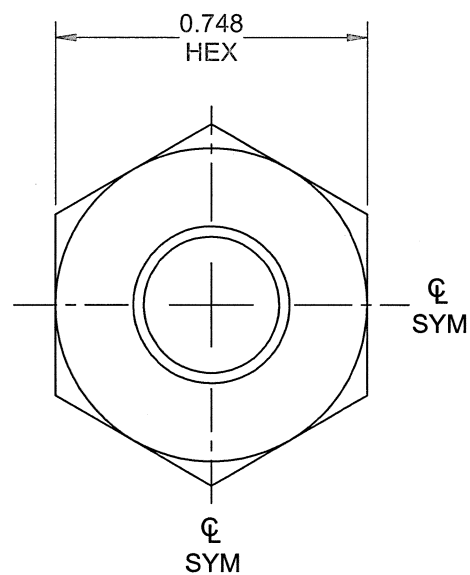
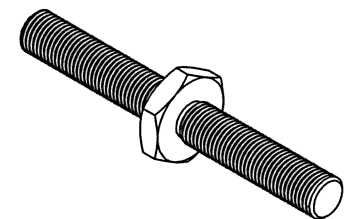
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RBW6700G08031-8G-6 THREADED PIN

NOTES:

- 1) MATERIAL: 4140 (28-32 RC)
- 2) HEAT TREAT: N/A
- 3) FINISH: BLACK OXIDE PER MIL-C-13924 CLASS 1 THEN APPLY A THIN LAYER OF OIL / CPC PER MIL-PRF-16173 GRADE 3 CLASS 1 OR MIL-C-81309 TYPE III OR MIL-C-23411A OR MIL-PRF-81309 AND WIPE OFF EXCESS
- 4) TOLERANCES: X.X = +/- 0.1" / +/- 1°
X.XX = +/- 0.01" / +/- 0.5°
X.XXX = +/- 0.005" / +/- 0.1°
X.XXXX = +/- 0.0005" / +/- 0.05°
PARALLELISM, ECCENTRICITY AND SYMMETRY ABOUT ALL CENTER LINES = +/- 0.005"
- 5) UNITS: INCHES UNLESS OTHERWISE NOTED
- 6) REMOVE ALL SHARP EDGES AND BURRS
- 7) IDENTIFICATION: N/A
- 8) CENTER DRILL IS ACCEPTABLE

DESIGN	KPT	DART AEROSPACE LTD	
DRAWN	KPT	HAWKESBURY, ONTARIO, CANADA	
CHECKED	JMH	TOOL PART #	REV. A
MFG. APPR.	JFC	RBW6700G08031-8G	SHEET 9 OF 12
APPROVED		TITLE	SCALE
		M/R ACTUATOR ADJUSTMENT TOOL ASSY	NTS 
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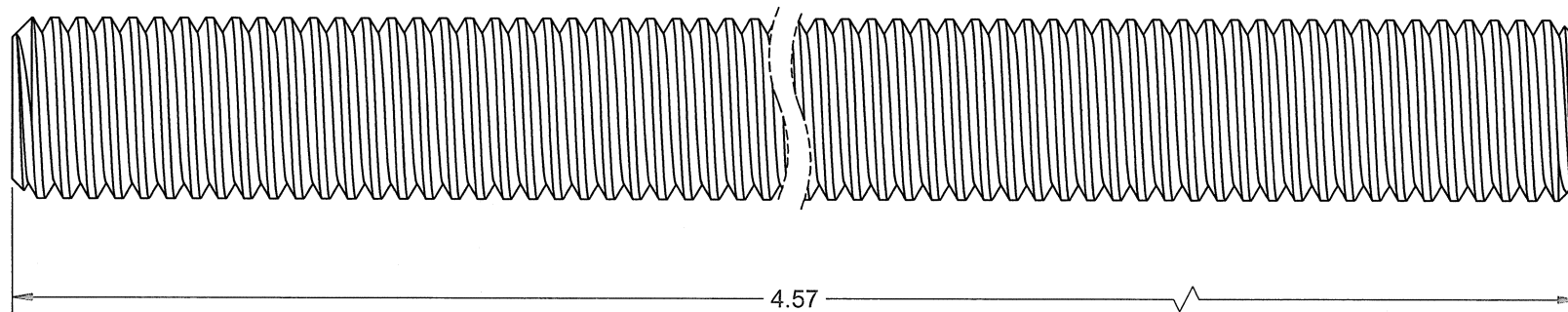
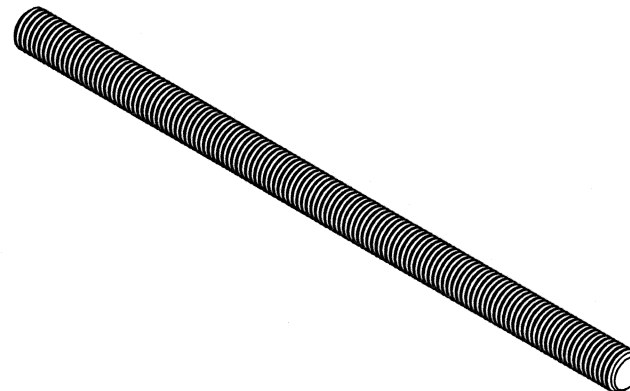
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**RBW6700G08031-8G-7 THREADED ROD****NOTES:**

- 1) MATERIAL: McMaster#90575A236 OR EQUIV. (316 SS THREADED ROD 1/4"-28 X 6" LG.)
- 2) HEAT TREAT: N/A
- 3) FINISH: N/A
- 4) TOLERANCES: X.X = +/- 0.1" / +/- 1°
X.XX = +/- 0.01" / +/- 0.5°
X.XXX = +/- 0.005" / +/- 0.1°
X.XXXX = +/- 0.0005" / +/- 0.05°
PARALLELISM, ECCENTRICITY AND SYMMETRY ABOUT ALL CENTER LINES = +/-0.005"
- 5) UNITS: INCHES UNLESS OTHERWISE NOTED
- 6) REMOVE ALL SHARP EDGES AND BURRS
- 7) IDENTIFICATION: N/A

DESIGN	KPT	DART AEROSPACE LTD	
DRAWN	KPT	HAWKESBURY, ONTARIO, CANADA	
CHECKED	JMH	TOOL PART #	REV. A
MFG. APPR.	JFC	RBW6700G08031-8G	SHEET 10 OF 12
APPROVED		TITLE	SCALE
		M/R ACTUATOR ADJUSTMENT TOOL ASSY	NTS
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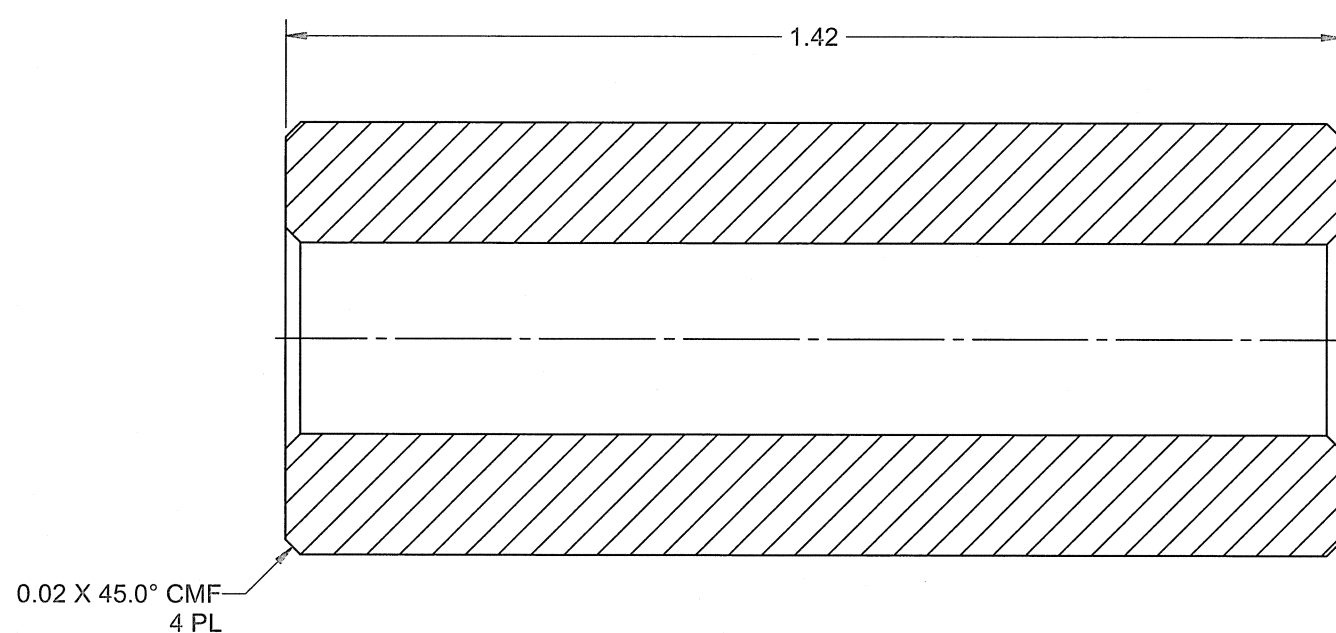
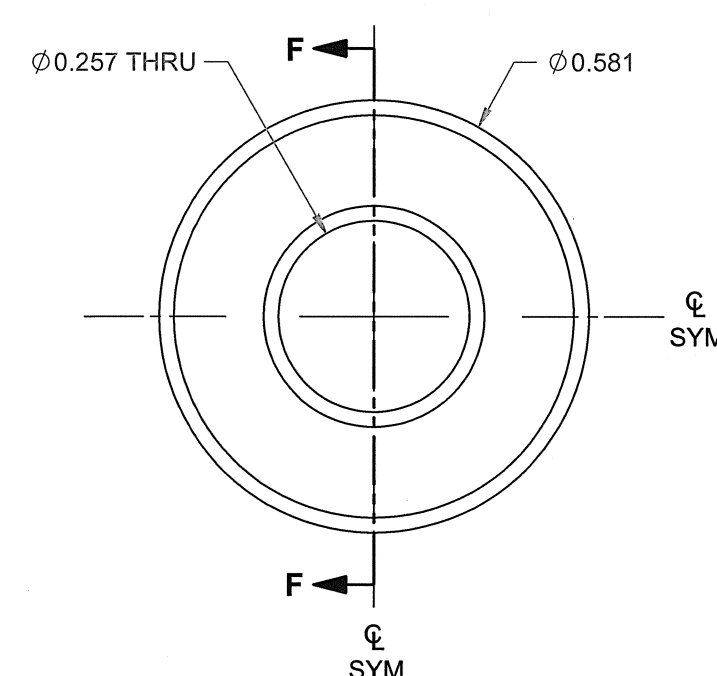
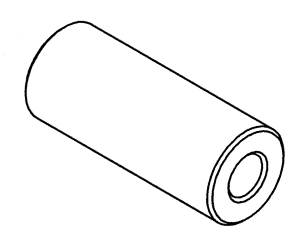
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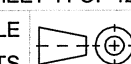
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RBW6700G08031-8G-8 POSITIONING PIN

- NOTES:
- 1) MATERIAL: 6061-T6 / 7075-T6
 - 2) HEAT TREAT: N/A
 - 3) FINISH: ANODIZE RED PER MIL-A-8625 TYPE 2 CLASS 2
 - 4) TOLERANCES: X.X = +/- 0.1" / +/- 1°
X.XX = +/- 0.01" / +/- 0.5°
X.XXX = +/- 0.005" / +/- 0.1°
X.XXXX = +/- 0.0005" / +/- 0.05°
PARALLELISM, ECCENTRICITY AND SYMMETRY ABOUT ALL CENTER LINES = +/- 0.005"
 - 5) UNITS: INCHES UNLESS OTHERWISE NOTED
 - 6) REMOVE ALL SHARP EDGES AND BURRS
 - 7) IDENTIFICATION: N/A

DESIGN	KPT	DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA	
DRAWN	KPT		
CHECKED	JMH	TOOL PART #	REV. A
MFG. APPR.	JFC	RBW6700G08031-8G	SHEET 11 OF 12
APPROVED		TITLE	SCALE
		M/R ACTUATOR ADJUSTMENT TOOL ASSY	NTS 
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